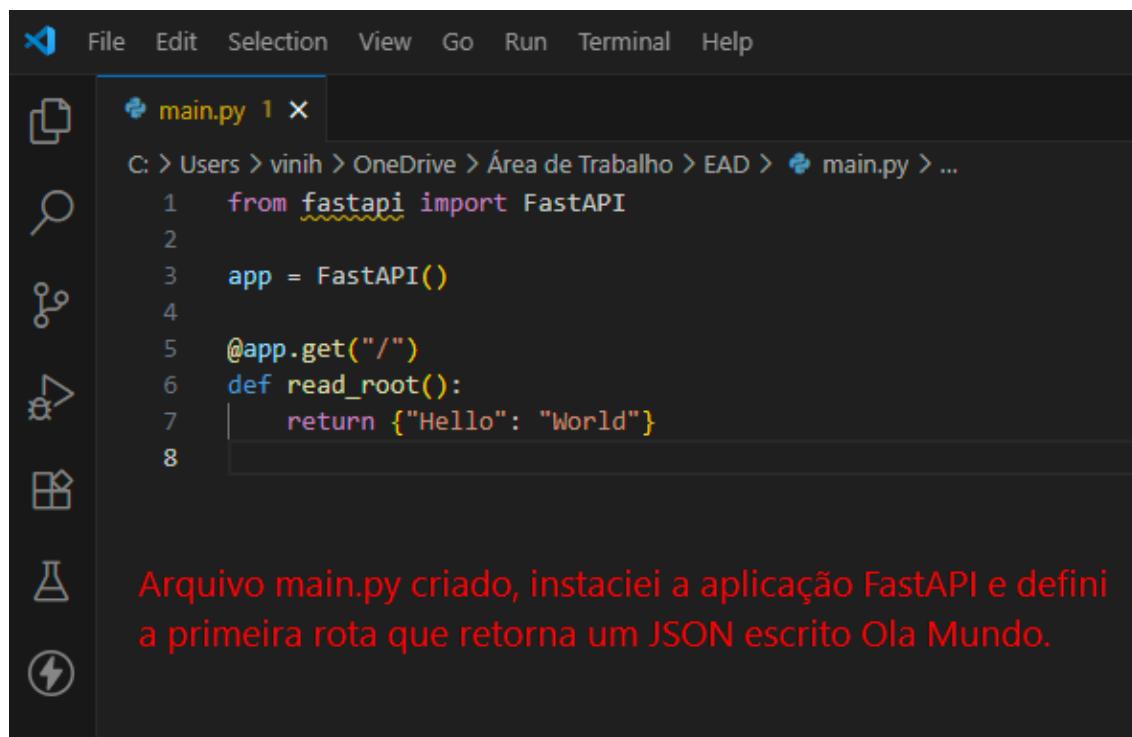


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## ATIVIDADE 02

Atenção: Antes de realizar a atividade, leia as orientações no AVA.

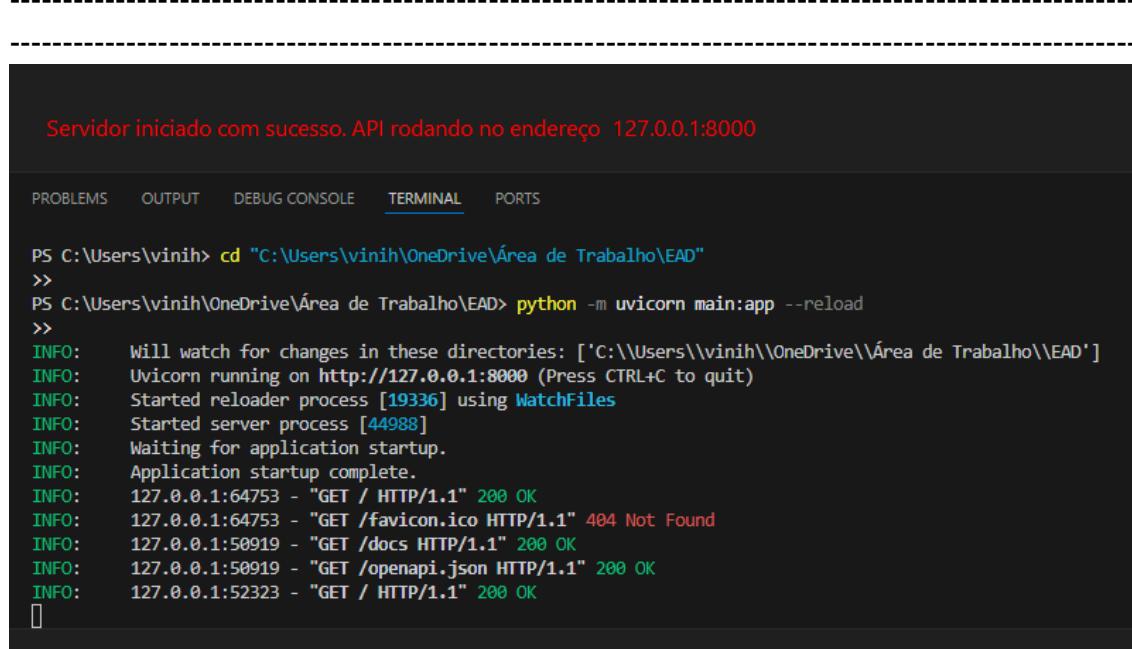


The screenshot shows a code editor window with a dark theme. On the left is a sidebar with various icons: a file, a magnifying glass, a circular arrow, a play button, a grid, a flask, and a lightning bolt. The main area shows a file named "main.py" with the following code:

```
C: > Users > vinih > OneDrive > Área de Trabalho > EAD > main.py > ...
1  from fastapi import FastAPI
2
3  app = FastAPI()
4
5  @app.get("/")
6  def read_root():
7      return {"Hello": "World"}
```

Below the code, a red message states: "Arquivo main.py criado, instaciei a aplicação FastAPI e defini a primeira rota que retorna um JSON escrito Ola Mundo."

---



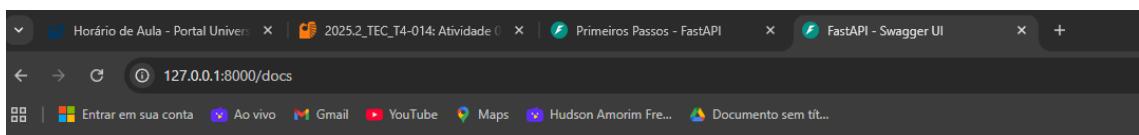
The screenshot shows a terminal window with the following output:

```
Servidor iniciado com sucesso. API rodando no endereço 127.0.0.1:8000
```

Below the terminal window, there is a navigation bar with tabs: PROBLEMS, OUTPUT, DEBUG CONSOLE, TERMINAL (which is underlined), and PORTS.

```
PS C:\Users\vinih> cd "C:\Users\vinih\OneDrive\Área de Trabalho\EAD"
>>
PS C:\Users\vinih\OneDrive\Área de Trabalho\EAD> python -m uvicorn main:app --reload
>>
INFO:     Will watch for changes in these directories: ['C:\\\\Users\\\\vinih\\\\OneDrive\\\\Área de Trabalho\\\\EAD']
INFO:     Uvicorn running on http://127.0.0.1:8000 (Press CTRL+C to quit)
INFO:     Started reloader process [19336] using WatchFiles
INFO:     Started server process [44988]
INFO:     Waiting for application startup.
INFO:     Application startup complete.
INFO:     127.0.0.1:64753 - "GET / HTTP/1.1" 200 OK
INFO:     127.0.0.1:64753 - "GET /favicon.ico HTTP/1.1" 404 Not Found
INFO:     127.0.0.1:50919 - "GET /docs HTTP/1.1" 200 OK
INFO:     127.0.0.1:50919 - "GET /openapi.json HTTP/1.1" 200 OK
INFO:     127.0.0.1:52323 - "GET / HTTP/1.1" 200 OK
```

A screenshot of a web browser window. The address bar shows the URL `127.0.0.1:8000`. The page content displays a JSON object: `{"Hello": "World"}`. Below the JSON, a red message states: "Rota raiz acessada corretamente, A API retornando o JSON \"Olá Mundo\"".



Documentação Swagger gerada corretamente. Permite visualizar e testar as rotas da API de forma interativa.

---

---

```
main.py •  
C: > Users > vinih > OneDrive > Área de Trabalho > EAD > main.py > read_obj  
1  from fastapi import FastAPI  
2  
3  app = FastAPI()  
4  
5  @app.get("/")  
6  def read_root():  
7      return {"Hello": "World"}  
8  
9  
10 @app.get("/objetos/{obj_id}")  
11 def read_obj(obj_id: int, q: str | None = None):  
12     return {"obj_id": obj_id, "q": q}  
  
Adicionada nova rota /objetos/{obj_id} com parâmetros.  
obj_id é um parâmetro de caminho (obrigatório) e que é de consulta (opcional).
```

---

**Parameters**

Name	Description
<b>obj_id</b> * required	integer (path)
<b>q</b>	string   (string   null) (query)

Cancel

**Teste realizado com sucesso no Swagger UI, a API retornou os valores enviados para obj\_id e q (2, teste);**

Execute
Clear

---

**Responses**

**Curl**

```
curl -X 'GET' \
'http://127.0.0.1:8000/objetos/2?q=teste' \
-H 'Accept: application/json'
```

Copy

**Request URL**

`http://127.0.0.1:8000/objetos/2?q=teste`

**Server response**

**Code**    **Details**

200    Response body

```
{
  "obj_id": 2,
  "q": "teste"
}
```

Copy
Download

Response headers

```
content-length: 24
content-type: application/json
date: Sun, 05 Oct 2025 23:00:58 GMT
server: uvicorn
```

**Responses**

Code	Description	Links
200	Successful Response	No links